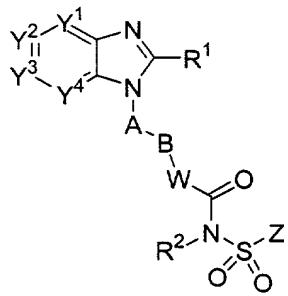


CLAIMS

1. A compound of the following formula:



5 or the pharmaceutically acceptable salts thereof, wherein
Y¹, Y², Y³ and Y⁴ are independently selected from N, CH or C(L) ;
R¹ is H, C₁₋₈ alkyl, C₂₋₈ alkenyl, C₂₋₈ alkynyl, C₃₋₇ cycloalkyl, C₁₋₈ alkoxy, halo-substituted
C₁₋₈ alkoxy, C₁₋₈ alkyl-S(O)m-, Q¹-, pyrrolidinyl, piperidyl, oxopyrrolidinyl, oxopiperidyl,
amino, mono- or di-(C₁₋₈ alkyl)amino, C₁₋₄alkyl-C(=O)-N(R³)- or C₁₋₄alkyl-S(O)m-N(R³)-,
10 wherein said C₁₋₈ alkyl, C₂₋₈ alkenyl and C₂₋₈ alkynyl are optionally substituted with halo, C₁₋₃ alkyl,
hydroxy, oxo, C₁₋₄ alkoxy-, C₁₋₄ alkyl-S(O)m-, C₃₋₇ cycloalkyl-, cyano, indanyl,
1,2,3,4-tetrahydronaphthyl, 1,2-dihydronaphthyl, pyrrolidinyl, piperidyl, oxopyrrolidinyl,
oxopiperidyl, Q¹-, Q¹-C(=O)-, Q¹-O-, Q¹-S(O)m-, Q¹-C₁₋₄alkyl-O-, Q¹-C₁₋₄alkyl-S(O)m-,
Q¹-C₁₋₄alkyl-C(O)-N(R³)-, Q¹-C₁₋₄alkyl-N(R³)- or C₁₋₄alkyl-C(O)-N(R³)-;
15 Q¹ is a 5-12 membered monocyclic or bicyclic aromatic ring optionally containing up to 4
heteroatoms selected from O, N and S, and is optionally substituted with halo, C₁₋₄ alkyl,
halo-substituted C₁₋₄ alkyl, hydroxy, C₁₋₄ alkoxy, halo-substituted C₁₋₄ alkoxy, C₁₋₄ alkylthio,
nitro, amino, mono- or di-(C₁₋₄alkyl)amino, cyano, HO-C₁₋₄ alkyl, C₁₋₄ alkoxy-C₁₋₄alkyl, C₁₋₄
alkylsulfonyl, aminosulfonyl, C₁₋₄alkylC(=O)-, HO(O=)C-, C₁₋₄alkyl-O(O=)C-,
20 R³N(R⁴)C(=O)-, C₁₋₄ alkylsulfonylamino, C₃₋₇ cycloalkyl, R³C(=O)N(R⁴)- or NH₂(HN=)C-;
A is a 5-6 membered monocyclic aromatic ring optionally containing up to 3 heteroatoms
selected from O, N and S, wherein said 5-6 membered monocyclic aromatic ring is optionally
substituted with up to 3 substituents selected from halo, C₁₋₄ alkyl, halo-substituted C₁₋₄
alkyl, hydroxy, C₁₋₄ alkoxy, halo-substituted C₁₋₄ alkoxy, C₁₋₄alkylthio, nitro, amino, mono- or
25 di-(C₁₋₄ alkyl)amino, cyano, HO-C₁₋₄ alkyl, C₁₋₄ alkoxy-C₁₋₄alkyl, C₁₋₄ alkylsulfonyl,
aminosulfonyl, acetyl, R³N(R⁴)C(=O)-, HO(O=)C-, C₁₋₄alkyl-O(O=)C-, C₁₋₄
alkylsulfonylamino, C₃₋₇ cycloalkyl, R³C(=O)N(R⁴)- and NH₂(HN=)C-;

B is halo-substituted C₁₋₆ alkylene, C₃₋₇ cycloalkylene, C₂₋₆ alkenylene, C₂₋₆ alkynylene, -O-C₁₋₅ alkylene, C₁₋₂ alkylene-O-C₁₋₂ alkylene or C₁₋₆ alkylene optionally substituted with an oxo group or C₁₋₃ alkyl;

W is NH, N-C₁₋₄ alkyl, O, S, N-OR⁵ or a covalent bond ;

5 R² is H, C₁₋₄ alkyl, OH or C₁₋₄ alkoxy;

Z is a 5-12 membered monocyclic or bicyclic aromatic ring optionally containing up to 3 heteroatoms selected from O, N and S, wherein said 5-12 membered monocyclic or bicyclic aromatic ring is optionally substituted with halo, C₁₋₄ alkyl, halo-substituted C₁₋₄ alkyl, C₁₋₄ alkenyl, C₁₋₄ alkynyl, hydroxy, C₁₋₄ alkoxy, halo-substituted C₁₋₄ alkoxy, C₁₋₄ alkylthio, nitro, amino, mono- or di-(C₁₋₄ alkyl)amino, cyano, HO-C₁₋₄ alkyl, C₁₋₄ alkoxy-C₁₋₄ alkyl, C₁₋₄ alkylsulfonyl, aminosulfonyl, C₁₋₄alkylC(=O)-, R³C(=O)N(R⁴)-, HO(O=)C-, C₁₋₄alkyl-O(O=)C-, C₁₋₄ alkylsulfonylamino, C₃₋₇ cycloalkyl, NH₂(HN=)C-, Q²-S(O)m-, Q²-O-, Q²-N(R³)- or Q²- ;

L is halo, C₁₋₄ alkyl, halo-substituted C₁₋₄ alkyl, hydroxy, C₁₋₄ alkoxy, halo-substituted C₁₋₄

15 alkoxy, C₁₋₄ alkylthio, nitro, amino, mono- or di-(C₁₋₄ alkyl)amino, cyano, HO-C₁₋₄ alkyl, C₁₋₄ alkoxy-C₁₋₄ alkyl, C₁₋₄ alkylsulfonyl, aminosulfonyl, C₁₋₄alkylC(=O)-, HO(O=)C-, C₁₋₄alkyl-O(O=)C-, C₁₋₄ alkylsulfonylamino, C₃₋₇ cycloalkyl, R³C(=O)N(R⁴)-, NH₂(HN=)C-, R³N(R⁴)C(=O)-, R³N(R⁴)S(O)m-, Q²-, Q²-C(=O)-, Q²-O-, Q²-C₁₋₄alkyl-O-, or two adjacent L groups are optionally joined together to form an alkylene chain having 3 or 4 members in

20 which one or two (non-adjacent) carbon atoms are optionally replaced by oxygen atoms; m is 0, 1 or 2;

R³ and R⁴ are independently selected from H and C₁₋₄ alkyl ;

R⁵ is H, C₁₋₄ alkyl, C₁₋₄ alkyl-(O=)C- or C₁₋₄ alkyl-O-(O=)C- ; and

25 Q² is a 5-12 membered monocyclic or bicyclic aromatic ring, or a 5-12 membered tricyclic ring optionally containing up to 3 heteroatoms selected from O, N and S, wherein said 5-12 membered monocyclic or bicyclic aromatic ring is optionally substituted with halo, C₁₋₄ alkyl, halo-substituted C₁₋₄ alkyl, C₁₋₄ alkenyl, C₁₋₄ alkynyl, hydroxy, C₁₋₄ alkoxy, halo-substituted C₁₋₄ alkoxy, C₁₋₄ alkylthio, nitro, amino, mono- or di-(C₁₋₄ alkyl)amino, cyano, HO-C₁₋₄ alkyl, C₁₋₄ alkoxy-C₁₋₄ alkyl, C₁₋₄ alkylsulfonyl, aminosulfonyl, C₁₋₄alkyl-(O=)C-, R³(R⁴)C(=O)N-, HO(O=)C-, C₁₋₄ alkyl-O(O=)C-, C₁₋₄ alkylsulfonylamino, C₃₋₇ cycloalkyl, C₁₋₄ alkyl-C(=O)NH- or NH₂(HN=)C-.

2. A compound according to Claim 1, wherein

Y¹, Y², Y³, and Y⁴ are independently selected from N, CH and C(L);
R¹ is H, C₁₋₈ alkyl, C₂₋₈ alkenyl, C₂₋₈ alkynyl, C₃₋₇ cycloalkyl, C₁₋₈ alkoxy, halo-substituted C₁₋₈ alkoxy, C₁₋₈ alkyl-S(O)m-, Q¹-, pyrrolidinyl, piperidyl, oxopyrrolidinyl, oxopiperidyl, amino, mono- or di-(C₁₋₈ alkyl)amino, C₁₋₄alkyl-C(=O)-N(R³)- or C₁₋₄alkyl-S(O)m-N(R³)-,
5 wherein said C₁₋₈ alkyl, C₂₋₈ alkenyl and C₂₋₈ alkynyl are optionally substituted with halo, C₁₋₃ alkyl, hydroxy, oxo, C₁₋₄ alkoxy-, C₁₋₄ alkyl-S(O)m-, C₃₋₇ cycloalkyl-, cyano, indanyl, 1,2,3,4-tetrahydronaphthyl, 1,2-dihydronaphthyl, pyrrolidinyl, piperidyl, oxopyrrolidinyl, oxopiperidyl, Q¹-, Q¹-C(=O)-, Q¹-O-, Q¹-S(O)m-, Q¹-C₁₋₄ alkyl-O-, Q¹-C₁₋₄ alkyl-S(O)m-, Q¹-C₁₋₄alkyl-C(=O)-N(R³)-, or C₁₋₄alkyl-C(=O)-N(R³)-;

10 Q¹ is a 5-12 membered monocyclic or bicyclic aromatic ring optionally containing up to 4 heteroatoms selected from O, N and S, and is optionally substituted with halo, C₁₋₄ alkyl, halo-substituted C₁₋₄ alkyl, hydroxy, C₁₋₄ alkoxy, halo-substituted C₁₋₄ alkoxy, C₁₋₄ alkylthio, nitro, amino, mono- or di-(C₁₋₄ alkyl)amino, cyano, HO-C₁₋₄ alkyl, C₁₋₄ alkoxy-C₁₋₄alkyl, C₁₋₄ alkylsulfonyl, aminosulfonyl, C₁₋₄ alkylC(=O)-, HO(O=)C-, C₁₋₄ alkyl-O(O)C-,
15 R³N(R⁴)C(=O)-, C₁₋₄ alkylsulfonylamino, C₃₋₇ cycloalkyl, R³C(=O)N(R⁴)- or NH₂(HN=)C-; A is a 5-6 membered monocyclic aromatic ring optionally containing up to 2 heteroatoms selected from O, N, and S, wherein said 5-6 membered monocyclic aromatic ring is optionally substituted with up to 2 substituents selected from halo, C₁₋₄ alkyl, halo-substituted C₁₋₄ alkyl, hydroxy, C₁₋₄ alkoxy and halo-substituted C₁₋₄ alkoxy;

20 B is C₃₋₇ cycloalkylene or C₁₋₆ alkylene optionally substituted with an oxo group or C₁₋₃ alkyl; W is NH, N-C₁₋₄ alkyl, O or N-OH;

R² is H or C₁₋₄ alkyl;

Z is a 5-12 membered monocyclic or bicyclic aromatic ring optionally containing up to 3 heteroatoms selected from, N and S, wherein said 5-12 membered monocyclic or bicyclic aromatic ring is optionally substituted with halo, C₁₋₄ alkyl, halo-substituted C₁₋₄ alkyl, C₁₋₄ alkenyl, hydroxy, C₁₋₄ alkoxy, nitro, amino, cyano, HO-C₁₋₄ alkyl, C₁₋₄ alkylsulfonyl, aminosulfonyl, C₁₋₄ alkylC(=O)-, R³C(=O)N(R⁴)-, HO(O=)C-, C₁₋₄ alkyl-O(O=)C-, C₁₋₄ alkylsulfonylamino, C₁₋₄ alkyl-C(=O)NH-, Q²-S(O)m-, Q²-O-, Q²-N(R³)- or Q²-;

25 L is halo, C₁₋₄ alkyl, halo-substituted C₁₋₄ alkyl, hydroxy, C₁₋₄ alkoxy, mono- or di-(C₁₋₄ alkyl)amino, halo-substituted C₁₋₄ alkoxy, cyano, HO-C₁₋₄ alkyl, C₁₋₄ alkoxy-C₁₋₄ alkyl, C₁₋₄ alkylsulfonyl, aminosulfonyl, C₁₋₄ alkylC(=O)-, HO(O=)C-, C₁₋₄ alkyl-O(O=)C-, C₁₋₄
30

alkylsulfonylamino, C_{3-7} cycloalkyl, $R^3C(=O)N(R^4)-$, $R^3N(R^4)C(=O)-$, $R^3N(R^4)S(O)m-$, Q^2- , $Q^2-C(=O)-$, Q^2-O- , $Q^2-C_{1-4}alkyl-O-$, or two adjacent L groups are optionally joined together to form an alkylene chain having 3 or 4 members in which one or two (non-adjacent) carbon atoms are optionally replaced by oxygen atoms;

5 m is 0 or 2;

R^3 and R^4 are independently selected from H and C_{1-4} alkyl; and

Q^2 is a 5-12 membered monocyclic or bicyclic aromatic ring, or a 8-12 membered tricyclic ring optionally containing up to 3 heteroatoms selected from O, N and S, wherein said 5-12 membered monocyclic or bicyclic aromatic ring is optionally substituted with halo, C_{1-4} alkyl,

10 halo-substituted C_{1-4} alkyl, C_{1-4} alkenyl, C_{1-4} alkynyl, hydroxy, C_{1-4} alkoxy, halo-substituted C_{1-4} alkoxy, C_{1-4} alkylthio, mono- or di- $(C_{1-4}$ alkyl)amino, cyano, $HO-C_{1-4}$ alkyl, C_{1-4} alkoxy- C_{1-4} alkyl, C_{1-4} alkylsulfonyl, aminosulfonyl, C_{1-4} alkyl- $(O=)C-$, $R^3(R^4)C(=O)N-$, $HO(O=)C-$, C_{1-4} alkyl- $O(O=)C-$, C_{1-4} alkylsulfonylamino, C_{3-7} cycloalkyl or C_{1-4} alkyl- $C(=O)NH-$.

15 3. A compound according to Claim 2, wherein

Y^1 , Y^2 , Y^3 , and Y^4 are independently selected from N, CH and C(L);

R^1 is H, C_{1-8} alkyl, C_{2-8} alkenyl, C_{2-8} alkynyl, C_{3-7} cycloalkyl, Q^1- , pyrrolidinyl, piperidyl, oxopyrrolidinyl, oxopiperidyl, amino, mono- or di- $(C_{1-8}$ alkyl)amino, wherein said C_{1-8} alkyl is optionally substituted with halo, C^{1-3} alkyl, hydroxy, oxo, C_{1-4} alkoxy-, C_{1-4} alkyl- $S(O)m-$, C_{3-7} cycloalkyl-, cyano, indanyl, pyrrolidinyl, piperidyl, oxopyrrolidinyl, oxopiperidyl, Q^1- , $Q^1-C(O)-$, Q^1-O- , Q^1-S- , Q^1-C_{1-4} alkyl- $O-$, or $C_{1-4}alkyl-C(O)-N(R^3)-$;

Q^1 is a 5-12 membered monocyclic aromatic ring optionally containing up to 4 heteroatoms selected from N and S, and is optionally substituted with halo, C_{1-4} alkyl, C_{1-4} alkylsulfonyl and C_{1-4} alkyl- $C(=O)-$;

20 25 A is 5-6 membered monocyclic aromatic ring optionally substituted with halo, C_{1-4} alkyl or C_{1-4} alkoxy;

B is C_{3-7} cycloalkylene or C_{1-6} alkylene optionally substituted with an oxo group or C_{1-3} alkyl;

W is NH, $N-C_{1-4}$ alkyl, O or N-OH;

R^2 is H or C_{1-4} alkyl;

30 Z is 5-12 membered monocyclic or bicyclic aromatic ring optionally containing up to 3 heteroatoms selected from, N and S, wherein said 5-12 membered monocyclic or bicyclic aromatic ring is optionally substituted with halo, C_{1-4} alkyl, halo-substituted C_{1-4} alkyl, C_{1-4}

alkenyl, C₁₋₄ alkoxy, nitro, amino, cyano, R³C(=O)N(R⁴)-, C₁₋₄ alkyl-O(O=)C-, Q²-S(O)m-, Q²-O-, Q²-N(R³)- or Q²-;

L is halo, C₁₋₄ alkyl, halo-substituted C₁₋₄ alkyl, hydroxy, C₁₋₄ alkoxy, halo-substituted C₁₋₄ alkoxy, mono- or di-(C₁₋₄ alkyl)amino, cyano, HO-C₁₋₄ alkyl, C₁₋₄ alkylsulfonyl, 5 aminosulfonyl, C₁₋₄ alkylC(=O)-, HO(O=)C-, C₁₋₄ alkyl-O(O=)C-, C₁₋₄ alkylsulfonylamino, C₃₋₇ cycloalkyl, R³C(=O)N(R⁴)-, R³N(R⁴)C(=O)-, R³N(R⁴)S(O)m-, Q²-, Q²-C(=O)-, Q²-O-, Q²-C₁₋₄alkyl-O-, or two adjacent L groups are optionally joined together to form an alkylene chain having 3 or 4 members in which one or two (non-adjacent) carbon atoms are optionally replaced by oxygen atoms;

10 m is 0 or 2;

R³ and R⁴ are independently selected from H and C₁₋₄ alkyl; and

Q² is a 5 or 6 membered monocyclic aromatic ring, or a 8-12 membered tricyclic ring containing up to 3 heteroatoms selected from N and S, wherein said 5 or 6 membered monocyclic aromatic ring is optionally substituted with halo.

15 4. A compound according to Claim 3, wherein

Y¹, Y², Y³ and Y⁴ are independently selected from N, CH and C(L);

R¹ is H, C₁₋₈ alkyl, C₂₋₈ alkenyl, C₂₋₈ alkynyl or C₃₋₇ cycloalkyl, wherein said C₁₋₈ alkyl is optionally substituted with halo, C₁₋₃ alkyl, hydroxy, oxo, C₁₋₄ alkoxy-, C₁₋₄ alkyl-S(O)m-, C₃₋₇ cycloalkyl-, cyano, indanyl, pyrrolidinyl, piperidyl, oxopyrrolidinyl, oxopiperidyl, Q¹-, Q¹-C(=O)-, Q¹-O-, Q¹-S-, Q¹-C₁₋₄ alkyl-O-, or C₁₋₄alkyl-C(O)-N(R³)-;

20 Q¹ is a 5 or 6 membered monocyclic aromatic ring optionally containing up to 4 heteroatoms selected from N and S;

A is 5-6 membered monocyclic aromatic ring system optionally substituted with halo or C₁₋₄ alkyl;

25 B is or C₃₋₇ cycloalkylene or C₁₋₆ alkylene optionally substituted with an oxo group or C₁₋₃ alkyl;

W is NH, N-C₁₋₄ alkyl, O or N-OH;

R² is H or C₁₋₄ alkyl;

Z is 5-12 membered monocyclic or bicyclic aromatic ring optionally containing up to 3 30 heteroatoms selected from N and S, wherein said 5-12 membered monocyclic or bicyclic aromatic ring is optionally substituted with halo, C₁₋₄ alkyl, halo-substituted C₁₋₄ alkyl, C₁₋₄ alkenyl, C₁₋₄ alkoxy, nitro, amino, cyano, R³C(=O)N(R⁴)-, C₁₋₄ alkyl-O(O=)C-, Q²-S(O)m-,

Q²-O-, Q²-N(R³)- or Q²-;

L is halo, C₁₋₄ alkyl, halo-substituted C₁₋₄ alkyl, hydroxy, C₁₋₄ alkoxy, halo-substituted C₁₋₄ alkoxy, cyano, HO-C₁₋₄ alkyl, C₁₋₄ alkylsulfonyl, aminosulfonyl, C₁₋₄ alkylC(=O), HO(O=)C-, C₁₋₄ alkyl-O(O=)C-, C₁₋₄ alkylsulfonylamino, C₃₋₇ cycloalkyl, R³C(=O)NR⁴-, R³N(R⁴)C(=O)-, R³N(R⁴)S(O)m-, Q²-, Q²-C(=O)-, Q²-O-, Q²-C₁₋₄alkyl-O-, or two adjacent L groups are optionally joined together to form an alkylene chain having 3 or 4 members in which one or two (non-adjacent) carbon atoms are optionally replaced by oxygen atoms;

5 m is 0 or 2;

R³ and R⁴ are independently selected from H and C₁₋₄ alkyl; and

10 Q² is 5 or 6 membered monocyclic aromatic ring or a 8-12 membered tricyclic ring optionally containing 1 sulfur atom wherein said 5 or 6 membered monocyclic aromatic ring is optionally substituted with halo.

5. A compound according to Claim 4, wherein

Y¹, Y², Y³ and Y⁴ are independently selected from N, CH and C(L);

15 R¹ is C₁₋₅ alkyl or C₃₋₇ cycloalkyl, wherein said C₁₋₅ alkyl is optionally substituted with C₁₋₃ alkyl, hydroxy, oxo, pyrrolidinyl, piperidyl, oxopyrrolidinyl, oxopiperidyl, Q¹-, or C₁₋₄alkyl-C(O)-N(H)-;

Q¹ is 5-12 membered monocyclic aromatic ring system optionally containing up to 2 heteroatoms selected from N and S,

20 A is 5-6 membered monocyclic aromatic ring system;

B is C₁₋₃ alkylene optionally substituted with C₁₋₃ alkyl;

W is NH, N-C₁₋₂ alkyl or O;

R² is H;

Z is 5-12 membered monocyclic or bicyclic aromatic ring optionally containing up to 3 heteroatoms selected from N and S, wherein said 5-12 membered monocyclic aromatic ring is optionally substituted with halo, C₁₋₄ alkyl, nitro, R³C(=O)N(R⁴)- or Q²-;

25 L is halo, C₁₋₄ alkyl, halo-substituted C₁₋₄ alkyl, hydroxy, C₁₋₄ alkoxy, halo-substituted C₁₋₄ alkoxy, cyano, HO-C₁₋₄ alkyl, acetyl, R³N(R⁴)C(=O)-, R³N(R⁴)S(O)m-, Q²-, Q²-C(=O)-, or two adjacent L groups are joined together to form a methylenedioxy group;

30 R³ and R⁴ are independently selected from H and C₁₋₄ alkyl; and

Q² is 5 or 6 membered monocyclic aromatic ring system.

6. A compound according to Claim 5, wherein

Y¹, Y², Y³ and Y⁴ are independently selected from N, CH and C-L;

R¹ is C₁₋₅ alkyl optionally substituted with C₁₋₃ alkyl, hydroxy, oxo, 5 or 6 membered monocyclic aromatic ring, wherein said 5 or 6 membered monocyclic aromatic ring is containing 1 or 2 heteroatoms selected from N and S, or C₁₋₄alkyl-C(O)-N(R³);

A is phenyl;

5 B is C₁₋₂ alkylene optionally substituted with methyl;

W is NH, N-CH₃ or O;

R² is H;

Z is 5-10 membered monocyclic or bicyclic aromatic ring optionally containing up to 3 heteroatoms selected from N and S, wherein said 5-10 membered monocyclic aromatic ring is 10 optionally substituted with chloro, bromo, methyl, nitro, CH₃C(=O)NH-, tBuC(=O)NH- or phenyl; and

L is chloro, methyl, trifluoromethyl, hydroxy, methoxy, cyano, acetyl, -C(=O)NH₂, trifluoromethoxy, methanesulfonyl, or 1-hydroxy-1-methyl-ethyl, or two adjacent L groups are joined together to form a methylenedioxy group.

15 7. A compound according to Claim 6, wherein

Y¹, Y², Y³ and Y⁴ are independently selected from N, CH and C-L;

R¹ is methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, neopentyl, thiazolylethyl methylamino, dimethylamino, pyrrolidinyl, pyridyl, or 1-acetylamino-1-methylethyl;

A is phenyl;

20 B is ethylene or propylene;

W is NH, N-CH₃ or O;

R² is H;

Z is phenyl, pyrazolyl, thiazolyl, thiadiazolyl, thienyl, naphthyl or benzothienyl, said phenyl, pyrazolyl, thiazolyl, thiadiazolyl and thienyl being optionally substituted with one to three 25 substituents independently selected from chloro, bromo, methyl, acetyl, pivaloylamino, nitro and phenyl; and

L is chloro, methyl, trifluoromethyl, hydroxy, methoxy, cyano, acetyl, -C(=O)NH₂, trifluoromethoxy, methanesulfonyl, or 1-hydroxy-1-methyl-ethyl, or two adjacent L groups are joined together to form a methylenedioxy group.

30 8. A compound according to Claim 7, wherein

Y¹, Y², Y³ and Y⁴ are selected from the group consisting of

a) Y¹ and Y³ are C(L), Y² is CH and Y⁴ is N;

b) Y¹ is CH, Y² and Y³ are C(L) and Y⁴ is N;

c) Y¹, Y² and Y³ are C(L) and Y⁴ is N;

d) Y^1 and Y^3 are $C(L)$, Y^2 is N and Y^4 is CH ;

e) Y^1 is $C(L)$ and Y^2 , Y^3 and Y^4 are CH ;

f) Y^1 , Y^3 and Y^4 are CH , and Y^2 is $C(L)$;

5 g) Y^1 , Y^2 and Y^3 are CH , and Y^4 is $C(L)$;

h) Y^1 and Y^2 are $C(L)$, and Y^3 and Y^4 are CH ;

i) Y^1 and Y^3 are $C(L)$, and Y^2 and Y^4 are CH ;

j) Y^1 and Y^4 are CH , and Y^2 and Y^3 are $C(L)$;

k) Y^1 and Y^2 are CH , Y^3 is $C(L)$ and Y^4 is N ;

10 l) Y^1 and Y^3 are CH , Y^2 is $C(L)$ and Y^4 is N ;

m) Y^1 , Y^2 , Y^3 and Y^4 are CH ;

n) Y^1 and Y^2 are $C(L)$, Y^3 is CH and Y^4 is N ;

o) Y^1 , Y^2 and Y^4 are CH , and Y^3 is $C(L)$;

p) Y^1 and Y^2 are $C(L)$, Y^3 is N and Y^4 is CH ;

15 q) Y^1 and Y^3 are $C(L)$, and Y^2 and Y^4 are N ;

r) Y^1 is $C(L)$, Y^2 and Y^3 are CH , and Y^4 is N ; and

s) Y^2 is $C(L)$, Y^1 and Y^3 are CH , and Y^4 is N ;

R^1 is methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, neopentyl, thiazolylethyl methylamino, dimethylamino, pyrrolidinyl, pyridyl, or 1-acetylamino-1-methylethyl;

A is phenyl;

20 B is ethylene or propylene;

W is NH , $N-CH_3$ or O ;

R^2 is H ;

Z is phenyl, pyrazolyl, thiazolyl, thiadiazolyl, thienyl, naphthyl or benzothienyl, said phenyl, pyrazolyl, thiazolyl, thiadiazolyl and thienyl being optionally substituted with one to three

25 substituents independently selected from chloro, bromo, methyl, acetylamino, pivaloylamino, nitro and phenyl; and

L is chloro, methyl, trifluoromethyl, hydroxy, methoxy, cyano, acetyl, $-C(=O)NH_2$, trifluoromethoxy, methanesulfonyl, or 1-hydroxy-1-methyl-ethyl, or two adjacent L groups are joined together to form a methylenedioxy group.

30 9. A compound according to Claim 8, wherein

Y^1 , Y^2 , Y^3 and Y^4 are selected from the group consisting of

a) Y^1 and Y^3 are $C(L)$, Y^2 is CH and Y^4 is N ;

b) Y^1 is CH , Y^2 and Y^3 are $C(L)$ and Y^4 is N ;

c) Y^1 , Y^2 and Y^3 are C(L) and Y^4 is N;
d) Y^1 and Y^3 are C(L), Y^2 is N and Y^4 is CH;
e) Y^1 is C(L) and Y^2 , Y^3 and Y^4 are CH;
f) Y^1 , Y^3 and Y^4 are CH, and Y^2 is C(L);
5 g) Y^1 , Y^2 and Y^3 are CH, and Y^4 is C(L);
h) Y^1 and Y^2 are C(L), and Y^3 and Y^4 are CH;
i) Y^1 and Y^3 are C(L), and Y^2 and Y^4 are CH; and
j) Y^1 and Y^4 are CH, and Y^2 and Y^3 are C(L);
10 R^1 is methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, neopentyl, thiazolylethyl methylamino, dimethylamino, pyrrolidinyl, pyridyl, or 1-acetylamino-1-methylethyl;
A is phenyl;
B is ethylene or propylene;
W is NH, N-CH₃ or O;
 R^2 is H;
15 Z is phenyl, pyrazolyl, thiazolyl, thiadiazolyl, thienyl, naphthyl or benzothienyl, said phenyl, pyrazolyl, thiazolyl, thiadiazolyl and thienyl being optionally substituted with one to three substituents independently selected from chloro, bromo, methyl, acetyl, pivaloylamino, nitro and phenyl; and
L is chloro, methyl, trifluoromethyl, hydroxy, methoxy, cyano, acetyl, $-C(=O)NH_2$,
20 trifluoromethoxy, methanesulfonyl, or 1-hydroxy-1-methyl-ethyl, or two adjacent L groups are joined together to form a methylenedioxy group.

10. A compound according to Claim 1 selected from
3-(4-{2-[{[(5-chloro-1,3-dimethyl-1H-pyrazol-4-yl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-2-ethyl-5,7-dimethyl-3H-imidazo[4,5-b]pyridine;
25 3-(4-{2-[{[(2,4-dimethyl-1,3-thiazol-5-yl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-2-ethyl-5,7-dimethyl-3H-imidazo[4,5-b]pyridine;
N-[5-({[(2-[4-(2-ethyl-5,7-dimethyl-3H-imidazo[4,5-b]pyridin-3-yl)phenyl]ethyl}amino)carbonyl]amino}sulfonyl)-1,3,4-thiadiazol-2-yl]acetamide;
6-ethyl-5-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-5H-
30 [1,3]dioxolo[4,5-f]benzimidazole;
6-chloro-5-cyano-2-ethyl-1-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-1H-benzimidazole;
2-ethyl-5,7-dimethyl-3-(4-{2-[methyl({[(4-methylphenyl)sulfonyl]amino}carbonyl)amino}ethyl}phenyl)-3H-imidazo[4,5-b]pyridine;
35 2-ethyl-5,7-dimethyl-3-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}

propyl}phenyl)-3*H*-imidazo[4,5-*b*]pyridine;
2-[4-(2-ethyl-5,7-dimethyl-3*H*-imidazo[4,5-*b*]pyridin-3-yl)phenyl]-1-methylethyl (4-methylphenyl)sulfonylcarbamate;
5 5,7-dimethyl-3-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-2-propyl-3*H*-imidazo[4,5-*b*]pyridine;
2-isopropyl-5,7-dimethyl-3-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-3*H*-imidazo[4,5-*b*]pyridine;
2-butyl-5,7-dimethyl-3-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-3*H*-imidazo[4,5-*b*]pyridine;
10 2-isobutyl-5,7-dimethyl-3-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-3*H*-imidazo[4,5-*b*]pyridine;
5,7-dimethyl-3-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-2-neopentyl-3*H*-imidazo[4,5-*b*]pyridine;
5,7-dimethyl-3-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-2-[2-(1,3-15 thiazol-2-yl)ethyl]-3*H*-imidazo[4,5-*b*]pyridine;
3-{4-[2-({[(4-biphenylsulfonyl)amino}carbonyl]amino}ethyl}phenyl}-2-ethyl-5,7-dimethyl-3*H*-imidazo[4,5-*b*]pyridine;
2-ethyl-5,7-dimethyl-3-{4-[2-({[(1-naphthylsulfonyl)amino}carbonyl]amino}ethyl}phenyl}-3*H*-imidazo[4,5-*b*]pyridine;
20 2-ethyl-5,7-dimethyl-3-{4-[2-({[(2-naphthylsulfonyl)amino}carbonyl]amino}ethyl}phenyl}-3*H*-imidazo[4,5-*b*]pyridine;
2-ethyl-5,7-dimethyl-3-(4-{2-[{[(2-thienyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-3*H*-imidazo[4,5-*b*]pyridine;
3-(4-{2-[{[(5-chloro-2-thienyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-2-ethyl-5,7-25 dimethyl-3*H*-imidazo[4,5-*b*]pyridine;
3-(4-{2-[{[(4,5-dichloro-2-thienyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-2-ethyl-5,7-dimethyl-3*H*-imidazo[4,5-*b*]pyridine;
3-(4-{2-({[(1-benzothien-2-ylsulfonyl)amino}carbonyl]amino}ethyl}phenyl)-2-ethyl-5,7-dimethyl-3*H*-imidazo[4,5-*b*]pyridine;
30 3-(4-{2-[{[(2-chlorophenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-2-ethyl-5,7-dimethyl-3*H*-imidazo[4,5-*b*]pyridine;
2-ethyl-5,6-dimethyl-3-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-3*H*-imidazo[4,5-*b*]pyridine;
5,6-dichloro-2-ethyl-3-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-3*H*-imidazo[4,5-*b*]pyridine;
35 5-chloro-2-ethyl-7-methyl-3-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-3*H*-imidazo[4,5-*b*]pyridine;

6-cyano-2-ethyl-5,7-dimethyl-3-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-3*H*-imidazo[4,5-*b*]pyridine;

2-ethyl-4,6-dimethyl-1-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-1*H*-imidazo[4,5-*c*]pyridine;

5 4-methyl-2-ethyl-3-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)benzimidazole;

7-chloro-2-ethyl-3-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)benzimidazole;

5-methoxy-2-ethyl-3-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)benzimidazole;

10 5-acetyl-2-ethyl-3-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)benzimidazole;

5-cyano-2-ethyl-1-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-1*H*-benzimidazole;

15 2-ethyl-5-hydroxy-1-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-1*H*-benzimidazole;

2-ethyl-4,5-dimethyl-1-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-1*H*-benzimidazole;

4,6-dimethyl-2-ethyl-3-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)benzimidazole;

20 5,6-dimethyl-1-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-1*H*-benzimidazole;

5,6-dichloro-2-ethyl-1-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-1*H*-benzimidazole;

25 2-[4-(5,6-dichloro-2-ethyl-1*H*-benzimidazol-1-yl)phenyl]ethyl-(4-methylphenyl)sulfonylcarbamate;

6-chloro-5-trifluoromethyl-1-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-1*H*-benzimidazole;

4-(6-chloro-2-ethyl-5-trifluoromethyl-1*H*-benzimidazol-1-yl)phenethyl-(4-methylphenyl)sulfonylcarbamate;

30 5-chloro-6-methyl-1-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-1*H*-benzimidazole;

6-chloro-2-ethyl-1-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-1*H*-benzimidazole-5-carboxamide;

35 2-ethyl-3-(4-[2-{[(3-[hydroxy(oxido)amino]phenyl)sulfonyl]amino}carbonyl]ethyl)phenyl)-5,7-dimethyl-3*H*-imidazo[4,5-*b*]pyridine;

3-(4-{2-[{[(4-chlorophenyl)sulfonyl]amino}carbonyl]amino}ethyl)phenyl)-2-ethyl-5,7-dimethyl-

3*H*-imidazo[4,5-*b*]pyridine;
n-[4-({[({2-[4-(2-ethyl-5,7-dimethyl-3*H*-imidazo[4,5-*b*]pyridin-3-yl)phenyl]ethyl}amino)carbonyl]amino}sulfonyl)phenyl]-2,2-dimethylpropanamide;
3-(4-{2-[{[({2-chlorophenyl)sulfonyl]amino}carbonyl)amino]ethyl}phenyl)-2-ethyl-5,7-dimethyl-
5 3*H*-imidazo[4,5-*b*]pyridine;
3-(4-{2-[{[({3-chlorophenyl)sulfonyl]amino}carbonyl)amino]ethyl}phenyl)-2-ethyl-5,7-dimethyl-
3*H*-imidazo[4,5-*b*]pyridine;
3-(4-{2-[{[({5-chloro-2-thienyl)sulfonyl]amino}carbonyl)amino]ethyl}phenyl)-2-ethyl-5,7-dimethyl-3*H*-imidazo[4,5-*b*]pyridine;
10 3-(4-{2-[{[({5-bromo-2-thienyl)sulfonyl]amino}carbonyl)amino]ethyl}phenyl)-2-ethyl-5,7-dimethyl-3*H*-imidazo[4,5-*b*]pyridine;
3-(4-{2-[{[({2-bromophenyl)sulfonyl]amino}carbonyl)amino]ethyl}phenyl)-2-ethyl-5,7-dimethyl-
3*H*-imidazo[4,5-*b*]pyridine;
3-(4-{2-[{[({4-chloro-3-nitrophenyl)sulfonyl]amino}carbonyl)amino]ethyl}phenyl)-2-ethyl-5,7-
15 15 dimethyl-3*H*-imidazo[4,5-*b*]pyridine;
2-[4-(2-ethyl-4,6-dimethyl-1*H*-imidazo[4,5-*c*]pyridin-1-yl)phenyl]ethyl (4-methylphenyl)sulfonylcarbamate;
2-{4-[5,7-dimethyl-2-(methylamino)-3*H*-imidazo[4,5-*b*]pyridin-3-yl]phenyl}ethyl (4-methylphenyl)sulfonylcarbamate;
20 20 N-{[2-{4-[5,7-dimethyl-2-(methylamino)-3*H*-imidazo[4,5-*b*]pyridin-3-yl]phenyl}ethyl}amino]carbonyl}-4-methylbenzenesulfonamide;
N-{[2-{4-[2-ethyl-5-(1-hydroxy-1-methylethyl)-1*H*-benzimidazol-1-yl]phenyl}ethyl}amino]carbonyl}-4-methylbenzenesulfonamide;
2-ethyl-4,6-dimethyl-1-(4-{2-[{[({4-methylphenyl)sulfonyl]amino}carbonyl)amino]ethyl}phenyl)-
25 25 1*H*-benzimidazole-5-carboxamide;
2-{4-[6-chloro-2-ethyl-5-(trifluoromethyl)-1*H*-benzimidazol-1-yl]phenyl}ethyl (2-chlorophenyl)sulfonylcarbamate;
2-{5-[6-chloro-2-ethyl-5-(trifluoromethyl)-1*H*-benzimidazol-1-yl]-2-pyridinyl}ethyl (4-methylphenyl)sulfonylcarbamate;
30 30 2-{4-[6-chloro-2-ethyl-5-(trifluoromethyl)-1*H*-benzimidazol-1-yl]phenyl}ethyl (5-methyl-2-pyridinyl)sulfonylcarbamate;
2-{4-[6-chloro-2-(1*H*-pyrazol-3-yl)-5-(trifluoromethyl)-1*H*-benzimidazol-1-yl]phenyl}ethyl (4-methylphenyl)sulfonylcarbamate;
2-{4-[6-chloro-2-(4-pyridinyl)-5-(trifluoromethyl)-1*H*-benzimidazol-1-yl]phenyl}ethyl (4-methylphenyl)sulfonylcarbamate;
35 35 2-{4-[5-(aminocarbonyl)-6-chloro-2-ethyl-1*H*-benzimidazol-1-yl]phenyl}ethyl (4-methylphenyl)sulfonylcarbamate;
2-{4-[5-(aminocarbonyl)-6-chloro-2-ethyl-1*H*-benzimidazol-1-yl]phenyl}ethyl (4-methylphenyl)sulfonylcarbamate;

N-{[(2-{4-[6-chloro-2-ethyl-5-(methylsulfonyl)-1*H*-benzimidazol-1-yl]phenyl}ethyl)amino]carbonyl}-4-methylbenzenesulfonamide;
2-{4-[6-chloro-2-ethyl-5-(methylsulfonyl)-1*H*-benzimidazol-1-yl]phenyl}ethyl (4-methylphenyl)sulfonylcarbamate;

5 *N*-{[(2-[4-(2-ethyl-5,7-dimethyl-3*H*-imidazo[4,5-*b*]pyridin-3-yl)phenyl]ethyl)amino]carbonyl}-2-thiophenesulfonamide;
2-[4-(4,6-dimethyl-2-phenyl-1*H*-imidazo[4,5-*c*]pyridin-1-yl)phenyl]ethyl (4-methylphenyl)sulfonylcarbamate;
2-[4-(2-butyl-4,6-dimethyl-1*H*-imidazo[4,5-*c*]pyridin-1-yl)phenyl]ethyl (4-

10 methylphenyl)sulfonylcarbamate;
2-{4-[6-chloro-2-ethyl-5-(trifluoromethyl)-1*H*-benzimidazol-1-yl]phenyl}ethyl (5-chloro-1,3-dimethyl-1*H*-pyrazol-4-yl)sulfonylcarbamate;
2-{4-[4,6-dimethyl-2-(3-phenylpropyl)-1*H*-imidazo[4,5-*c*]pyridin-1-yl]phenyl}ethyl (4-methylphenyl)sulfonylcarbamate;

15 2-{4-[6-chloro-2-(2-pyridinyl)-5-(trifluoromethyl)-1*H*-benzimidazol-1-yl]phenyl}ethyl (4-methylphenyl)sulfonylcarbamate;
(1*S*)-2-{4-[6-chloro-2-ethyl-5-(trifluoromethyl)-1*H*-benzimidazol-1-yl]phenyl}-1-methylethyl (4-methylphenyl)sulfonylcarbamate;
2-{6-[6-chloro-2-ethyl-5-(trifluoromethyl)-1*H*-benzimidazol-1-yl]-3-pyridinyl}ethyl (4-

20 methylphenyl)sulfonylcarbamate;
N-{[(2-{4-[6-chloro-2-(1-hydroxy-1-methylethyl)-5-(trifluoromethyl)-1*H*-benzimidazol-1-yl]phenyl}ethyl)amino]carbonyl}-4-methylbenzenesulfonamide;
N-{[(2-{4-[5,7-dimethyl-2-(1*H*-pyrazol-3-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl]phenyl}ethyl)amino]carbonyl}-4-methylbenzenesulfonamide;

25 2-{4-[2-(1-dimethylethyl)-4,6-dimethyl-1*H*-imidazo[4,5-*c*]pyridin-1-yl]phenyl}ethyl (4-methylphenyl)sulfonylcarbamate;
2-{4-[2-[1-(acetylamino)-1-methylethyl]-6-chloro-5-(trifluoromethyl)-1*H*-benzimidazol-1-yl]phenyl}ethyl (4-methylphenyl)sulfonylcarbamate;
6-chloro-2-ethyl-1-(4-{2-[methyl({[(4-methylphenyl)sulfonyl]amino}carbonyl)amino]ethyl}phenyl)-1*H*-benzimidazole-5-carboxamide; and

30 salts thereof.

11. A compound according to Claim 1 selected from
6-ethyl-5-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-5*H*-[1,3]dioxolo[4,5-*f*]benzimidazole;

35 6-chloro-5-cyano-2-ethyl-1-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-1*H*-benzimidazole;
2-[4-(2-ethyl-5,7-dimethyl-3*H*-imidazo[4,5-*b*]pyridin-3-yl)phenyl]-1-methylethyl (4-

methylphenyl)sulfonylcarbamate;

5,7-dimethyl-3-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-2-[2-(1,3-thiazol-2-yl)ethyl]-3*H*-imidazo[4,5-*b*]pyridine;

2-ethyl-5,7-dimethyl-3-(4-{2-[{[(2-thienyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-3*H*-
5 imidazo[4,5-*b*]pyridine;

3-(4-{2-[{[(2-chlorophenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-2-ethyl-5,7-dimethyl-3*H*-imidazo[4,5-*b*]pyridine;

2-ethyl-5,6-dimethyl-3-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-3*H*-imidazo[4,5-*b*]pyridine;

10 5,6-dichloro-2-ethyl-3-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-3*H*-imidazo[4,5-*b*]pyridine;

2-ethyl-4,6-dimethyl-1-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-1*H*-imidazo[4,5-*c*]pyridine;

5-methoxy-2-ethyl-3-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-
15 benzimidazole;

5-acetyl-2-ethyl-3-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-
benzimidazole;

5-cyano-2-ethyl-1-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-1*H*-
benzimidazole;

20 2-ethyl-5-hydroxy-1-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-1*H*-
benzimidazole;

2-ethyl-4,5-dimethyl-1-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-1*H*-
benzimidazole;

4-(6-chloro-2-ethyl-5-trifluoromethyl-1*H*-benzimidazol-1-yl)phenethyl-(4-
25 methylphenyl)sulfonylcarbamate;

6-chloro-2-ethyl-1-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-1*H*-
benzimidazole-5-carboxamide;

2-[4-(2-ethyl-4,6-dimethyl-1*H*-imidazo[4,5-*c*]pyridin-1-yl)phenyl]ethyl (4-
methylphenyl)sulfonylcarbamate;

30 2-{4-[5,7-dimethyl-2-(methylamino)-3*H*-imidazo[4,5-*b*]pyridin-3-yl]phenyl}ethyl (4-
methylphenyl)sulfonylcarbamate;

N-{[(2-{4-[5,7-dimethyl-2-(methylamino)-3*H*-imidazo[4,5-*b*]pyridin-3-
yl]phenyl}ethyl)amino}carbonyl}-4-methylbenzenesulfonamide;

N-{[(2-{4-[2-ethyl-5-(1-hydroxy-1-methylethyl)-1*H*-benzimidazol-1-
35 yl]phenyl}ethyl)amino}carbonyl}-4-methylbenzenesulfonamide;

2-ethyl-4,6-dimethyl-1-(4-{2-[{[(4-methylphenyl)sulfonyl]amino}carbonyl]amino}ethyl}phenyl)-
1*H*-benzimidazole-5-carboxamide;

2-{4-[6-chloro-2-ethyl-5-(trifluoromethyl)-1*H*-benzimidazol-1-yl]phenyl}ethyl (2-chlorophenyl)sulfonylcarbamate;

2-{5-[6-chloro-2-ethyl-5-(trifluoromethyl)-1*H*-benzimidazol-1-yl]-2-pyridinyl}ethyl (4-methylphenyl)sulfonylcarbamate;

5 2-{4-[6-chloro-2-ethyl-5-(trifluoromethyl)-1*H*-benzimidazol-1-yl]phenyl}ethyl (5-methyl-2-pyridinyl)sulfonylcarbamate;

2-{4-[6-chloro-2-(1*H*-pyrazol-3-yl)-5-(trifluoromethyl)-1*H*-benzimidazol-1-yl]phenyl}ethyl (4-methylphenyl)sulfonylcarbamate;

10 2-{4-[6-chloro-2-(4-pyridinyl)-5-(trifluoromethyl)-1*H*-benzimidazol-1-yl]phenyl}ethyl (4-methylphenyl)sulfonylcarbamate;

2-{4-[5-(aminocarbonyl)-6-chloro-2-ethyl-1*H*-benzimidazol-1-yl]phenyl}ethyl (4-methylphenyl)sulfonylcarbamate;

N-{[(2-{4-[6-chloro-2-ethyl-5-(methylsulfonyl)-1*H*-benzimidazol-1-yl]phenyl}ethyl)amino]carbonyl}-4-methylbenzenesulfonamide;

15 2-{4-[6-chloro-2-ethyl-5-(methylsulfonyl)-1*H*-benzimidazol-1-yl]phenyl}ethyl (4-methylphenyl)sulfonylcarbamate;

N-{[(2-[4-(2-ethyl-5,7-dimethyl-3*H*-imidazo[4,5-*b*]pyridin-3-yl)phenyl]ethyl)amino]carbonyl}-2-thiophenesulfonamide;

20 2-[4-(4,6-dimethyl-2-phenyl-1*H*-imidazo[4,5-*c*]pyridin-1-yl)phenyl]ethyl (4-methylphenyl)sulfonylcarbamate;

2-[4-(2-butyl-4,6-dimethyl-1*H*-imidazo[4,5-*c*]pyridin-1-yl)phenyl]ethyl (4-methylphenyl)sulfonylcarbamate;

2-{4-[6-chloro-2-ethyl-5-(trifluoromethyl)-1*H*-benzimidazol-1-yl]phenyl}ethyl (5-chloro-1,3-dimethyl-1*H*-pyrazol-4-yl)sulfonylcarbamate;

25 2-{4-[4,6-dimethyl-2-(3-phenylpropyl)-1*H*-imidazo[4,5-*c*]pyridin-1-yl]phenyl}ethyl (4-methylphenyl)sulfonylcarbamate;

2-{4-[6-chloro-2-(2-pyridinyl)-5-(trifluoromethyl)-1*H*-benzimidazol-1-yl]phenyl}ethyl (4-methylphenyl)sulfonylcarbamate;

(1*S*)-2-{4-[6-chloro-2-ethyl-5-(trifluoromethyl)-1*H*-benzimidazol-1-yl]phenyl}-1-methylethyl (4-methylphenyl)sulfonylcarbamate;

30 2-{6-[6-chloro-2-ethyl-5-(trifluoromethyl)-1*H*-benzimidazol-1-yl]-3-pyridinyl}ethyl (4-methylphenyl)sulfonylcarbamate;

N-{[(2-{4-[6-chloro-2-(1-hydroxy-1-methylethyl)-5-(trifluoromethyl)-1*H*-benzimidazol-1-yl]phenyl}ethyl)amino]carbonyl}-4-methylbenzenesulfonamide;

35 *N*-{[(2-{4-[5,7-dimethyl-2-(1*H*-pyrazol-3-yl)-3*H*-imidazo[4,5-*b*]pyridin-3-yl]phenyl}ethyl)amino]carbonyl}-4-methylbenzenesulfonamide;

2-{4-[2-(1,1-dimethylethyl)-4,6-dimethyl-1*H*-imidazo[4,5-*c*]pyridin-1-yl]phenyl}ethyl (4-

methylphenyl)sulfonylcarbamate;

2-(4-[2-[1-(acetylamino)-1-methylethyl]-6-chloro-5-(trifluoromethyl)-1*H*-benzimidazol-1-yl]phenyl}ethyl (4-methylphenyl)sulfonylcarbamate;

6-chloro-2-ethyl-1-(4-{2-[methyl({[(4-methylphenyl)sulfonyl]amino}carbonyl)amino]

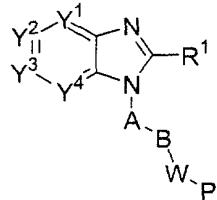
5 ethyl}phenyl)-1*H*-benzimidazole-5-carboxamide; and
salts thereof.

12. A pharmaceutical composition for the treatment of a disorder or condition mediated by prostaglandin in a mammal including a human, which comprises an effective amount of a compound of Claim 1, or a pharmaceutically acceptable salt thereof, and a
10 pharmaceutically acceptable carrier.

13. A method for the treatment of a medical condition in which prostaglandins are implicated as pathogens, in a mammalian subject including a human, comprising administering to a mammal in need of such treatment an effective amount of a compound of
Claim 1 and a pharmaceutically acceptable carrier.

15 14. A pharmaceutical formulation comprising a compound of Claim 1, a pharmaceutically acceptable carrier and, optionally, one or more other pharmacologically active ingredients.

15. A compound of the following formula:



20 (II)

or salts thereof

wherein Y¹, Y², Y³ and Y⁴ are independently selected from N, CH or C(L) ;

R¹ is H, C₁₋₈ alkyl, C₂₋₈ alkenyl, C₂₋₈ alkynyl, C₃₋₇ cycloalkyl, C₁₋₈ alkoxy, halo-substituted

C₁₋₈ alkoxy, C₁₋₈ alkyl-S(O)m-, Q¹-, amino, mono- or di-(C₁₋₈ alkyl)amino, C₁₋₄alkyl-C(=O)-

25 N(R³)- or C₁₋₄alkyl-S(O)m-N(R³)-, wherein said C₁₋₈ alkyl, C₂₋₈ alkenyl and C₂₋₈ alkynyl are
optionally substituted with halo, C₁₋₃ alkyl, C₁₋₄ alkoxy-, C₁₋₄ alkyl-S(O)m-, C₃₋₇ cycloalkyl-,
cyano, indanyl, 1,2,3,4-tetrahydronaphthyl, 1,2-dihydronaphthyl, Q¹-, Q¹-C(=O)-, Q¹-O-, Q¹-

S(O)m-, Q¹-C₁₋₄alkyl-O-, Q¹-C₁₋₄alkyl-S(O)m-, Q¹-C₁₋₄alkyl-C(O)-N(R³)-, Q¹-C₁₋₄alkyl-

N(R³)- or C₁₋₄alkyl-C(O)-N(R³)-;

30 Q¹ is a 5-12 membered monocyclic or bicyclic aromatic ring optionally containing up to 4
heteroatoms selected from O, N and S, and is optionally substituted with halo, C₁₋₄ alkyl,

halo-substituted C₁₋₄ alkyl, hydroxy, C₁₋₄ alkoxy, halo-substituted C₁₋₄ alkoxy, C₁₋₄ alkylthio, nitro, amino, mono- or di-(C₁₋₄ alkyl)amino, cyano, HO-C₁₋₄ alkyl, C₁₋₄ alkoxy-C₁₋₄ alkyl, C₁₋₄ alkylsulfonyl, aminosulfonyl, C₁₋₄ alkylC(=O)-, HO(O=)C-, C₁₋₄ alkyl-O(O=)C-, R³N(R⁴)C(=O)-, C₁₋₄ alkylsulfonylamino, C₃₋₇ cycloalkyl, R³C(=O)N(R⁴)- or NH₂(HN=)C-;

5 A is a benzene ring optionally substituted with up to 3 substituents or pyridine ring optionally substituted with up to 3 substituents, wherein said substituents selected from halo, C₁₋₄ alkyl, halo-substituted C₁₋₄ alkyl, hydroxy, C₁₋₄ alkoxy, halo-substituted C₁₋₄ alkoxy, C₁₋₄ alkylthio, nitro, amino, mono- or di-(C₁₋₄ alkyl)amino, cyano, HO-C₁₋₄ alkyl, C₁₋₄ alkoxy-C₁₋₄ alkyl, C₁₋₄ alkylsulfonyl, aminosulfonyl, acetyl, R³N(R⁴)C(=O)-, HO(O=)C-, C₁₋₄ alkyl-O(O=)C-, C₁₋₄

10 alkylsulfonylamino, C₃₋₇ cycloalkyl, R³C(=O)N(R⁴)- and NH₂(HN=)C-;

B is C₂₋₆ alkylene, C₃₋₇ cycloalkylene, C₂₋₆ alkenylene, or C₂₋₆ alkynylene optionally substituted with C₁₋₃ alkyl;

W is NH or O;

P is H, a protecting group, or Q³-OC(=O)-;

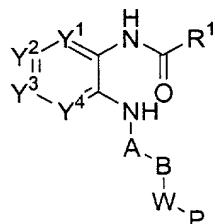
15 Q³ is a 6-10 membered monocyclic or bicyclic aromatic ring optionally substituted with halo, C₁₋₄ alkyl, C₁₋₄ alkoxy, C₁₋₄ alkylthio, nitro, cyano, C₁₋₄ alkylsulfonyl, C₁₋₄ alkylC(=O)-, HO(O=)C-, or C₁₋₄ alkyl-O(O=)C-;

L is halo, C₁₋₄ alkyl, halo-substituted C₁₋₄ alkyl, hydroxy, C₁₋₄ alkoxy, halo-substituted C₁₋₄ alkoxy, C₁₋₄ alkylthio, nitro, amino, mono- or di-(C₁₋₄ alkyl)amino, cyano, HO-C₁₋₄ alkyl, C₁₋₄ alkoxy-C₁₋₄ alkyl, C₁₋₄ alkylsulfonyl, aminosulfonyl, C₁₋₄ alkylC(=O)-, HO(O=)C-, C₁₋₄ alkyl-O(O=)C-, C₁₋₄ alkylsulfonylamino, C₃₋₇ cycloalkyl, R³C(=O)N(R⁴)-, NH₂(HN=)C-, R³N(R⁴)C(=O)- or R³N(R⁴)S(O)m-, or two adjacent L groups are optionally joined together to form an alkylene chain having 3 or 4 members in which one or two (non-adjacent) carbon atoms are optionally replaced by oxygen atoms;

20 25 m is 0, 1 or 2; and

R³ and R⁴ are independently selected from H and C₁₋₄ alkyl.

16. A compound of the following formula:



(III)

or salts thereof

wherein Y^1 , Y^2 , Y^3 and Y^4 are independently selected from N, CH or C(L) ;

R^1 is H, C₁₋₈ alkyl, C₂₋₈ alkenyl, C₂₋₈ alkynyl, C₃₋₇ cycloalkyl, C₁₋₈ alkoxy, halo-substituted

5 C₁₋₈ alkoxy, C₁₋₈ alkyl-S(O)m-, Q^1 -, amino, mono- or di-(C₁₋₈ alkyl)amino, C₁₋₄alkyl-C(=O)-N(R^3)- or C₁₋₄alkyl-S(O)m-N(R^3)-, wherein said C₁₋₈ alkyl, C₂₋₈ alkenyl and C₂₋₈ alkynyl are optionally substituted with halo, C₁₋₃ alkyl, C₁₋₄ alkoxy-, C₁₋₄ alkyl-S(O)m-, C₃₋₇ cycloalkyl-, cyano, indanyl, 1,2,3,4-tetrahydronaphthyl, 1,2-dihydronaphthyl, Q^1 -, Q^1 -C(=O)-, Q^1 -O-, Q^1 -S(O)m-, Q^1 -C₁₋₄alkyl-O-, Q^1 -C₁₋₄alkyl-S(O)m-, Q^1 -C₁₋₄alkyl-C(O)-N(R^3)-, Q^1 -C₁₋₄alkyl-N(R^3)- or C₁₋₄alkyl-C(O)-N(R^3)-;

10 Q^1 is a 5-12 membered monocyclic or bicyclic aromatic ring optionally containing up to 4 heteroatoms selected from O, N and S, and is optionally substituted with halo, C₁₋₄ alkyl, halo-substituted C₁₋₄ alkyl, hydroxy, C₁₋₄ alkoxy, halo-substituted C₁₋₄ alkoxy, C₁₋₄ alkylthio, nitro, amino, mono- or di-(C₁₋₄ alkyl)amino, cyano, HO-C₁₋₄ alkyl, C₁₋₄ alkoxy-C₁₋₄alkyl, C₁₋

15 4 alkylsulfonyl, aminosulfonyl, C₁₋₄alkylC(=O)-, HO(O=)C-, C₁₋₄alkyl-O(O=)C-, R³N(R^4)C(=O)-, C₁₋₄ alkylsulfonylamino, C₃₋₇ cycloalkyl, R³C(=O)N(R^4)- or NH₂(HN=)C-;

A is a benzene ring optionally substituted with up to 3 substituents or pyridine ring optionally substituted with up to 3 substituents, wherein said substituents selected from halo, C₁₋₄ alkyl, halo-substituted C₁₋₄ alkyl, hydroxy, C₁₋₄ alkoxy, halo-substituted C₁₋₄ alkoxy, C₁₋₄ alkylthio, nitro, amino, mono- or di-(C₁₋₄ alkyl)amino, cyano, HO-C₁₋₄ alkyl, C₁₋₄ alkoxy-C₁₋₄alkyl, C₁₋ 20 4 alkylsulfonyl, aminosulfonyl, acetyl, R³N(R^4)C(=O)-, HO(O=)C-, C₁₋₄alkyl-O(O=)C-, C₁₋₄ alkylsulfonylamino, C₃₋₇ cycloalkyl, R³C(=O)N(R^4)- and NH₂(HN=)C-;

B is C₂₋₆ alkylene, C₃₋₇ cycloalkylene, C₂₋₆ alkenylene, or C₂₋₆ alkynylene optionally substituted with C₁₋₃ alkyl;

25 W is NH or O;

P is H, a protecting group, or Z-S(O)₂-N(R^2)-C(=O)-;

Z is a 5-12 membered monocyclic or bicyclic aromatic ring optionally containing up to 3 heteroatoms selected from O, N and S, wherein said 5-12 membered monocyclic or bicyclic aromatic ring is optionally substituted with halo, C₁₋₄ alkyl, halo-substituted C₁₋₄ alkyl, C₁₋₄ alkenyl, C₁₋₄ alkynyl, hydroxy, C₁₋₄ alkoxy, halo-substituted C₁₋₄ alkoxy, C₁₋₄ alkylthio, nitro, amino, mono- or di-(C₁₋₄ alkyl)amino, cyano, HO-C₁₋₄ alkyl, C₁₋₄ alkoxy-C₁₋₄alkyl, C₁₋₄

30 alkenyl, C₁₋₄ alkynyl, hydroxy, C₁₋₄ alkoxy, halo-substituted C₁₋₄ alkoxy, C₁₋₄ alkylthio, nitro, amino, mono- or di-(C₁₋₄ alkyl)amino, cyano, HO-C₁₋₄ alkyl, C₁₋₄ alkoxy-C₁₋₄alkyl, C₁₋₄

alkylsulfonyl, aminosulfonyl, $C_{1-4}alkylC(=O)-$, $R^3C(=O)N(R^4)-$, $HO(O=)C-$, $C_{1-4}alkyl-O(O=)C-$, C_{1-4} alkylsulfonylamino, C_{3-7} cycloalkyl, $NH_2(HN=)C-$, $Q^2-S(O)m-$, Q^2-O- , $Q^2-N(R^3)-$ or Q^2- ;

5 L is halo, C_{1-4} alkyl, halo-substituted C_{1-4} alkyl, hydroxy, C_{1-4} alkoxy, halo-substituted C_{1-4} alkoxy, C_{1-4} alkylthio, nitro, amino, mono- or di- $(C_{1-4}$ alkyl)amino, cyano, $HO-C_{1-4}$ alkyl, C_{1-4} alkoxy- C_{1-4} alkyl, C_{1-4} alkylsulfonyl, aminosulfonyl, $C_{1-4}alkylC(=O)-$, $HO(O=)C-$, $C_{1-4}alkyl-O(O=)C-$, C_{1-4} alkylsulfonylamino, C_{3-7} cycloalkyl, $R^3C(=O)N(R^4)-$, $NH_2(HN=)C-$, $R^3N(R^4)C(=O)-$ or $R^3N(R^4)S(O)m-$, or two adjacent L groups are optionally joined together to form an alkylene chain having 3 or 4 members in which one or two (non-adjacent) carbon atoms are optionally replaced by oxygen atoms;

10 m is 0, 1 or 2; and

R^2 , R^3 , and R^4 are independently selected from H and C_{1-4} alkyl.